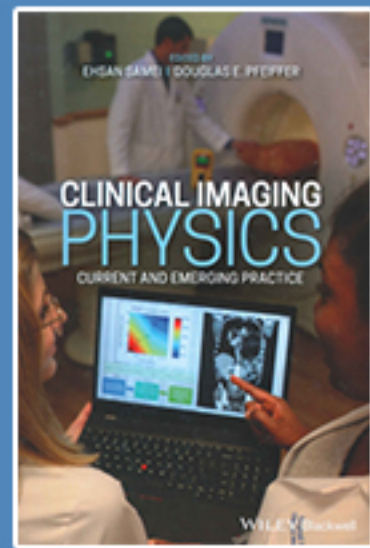


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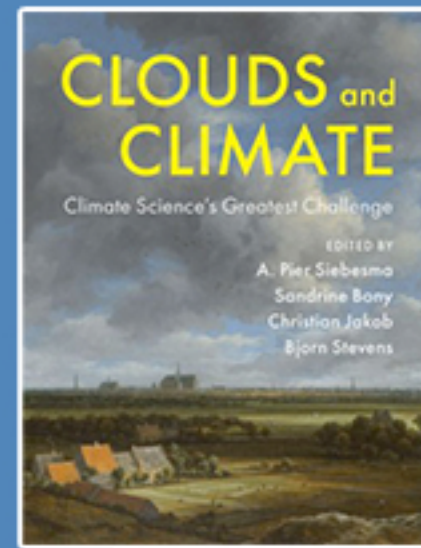
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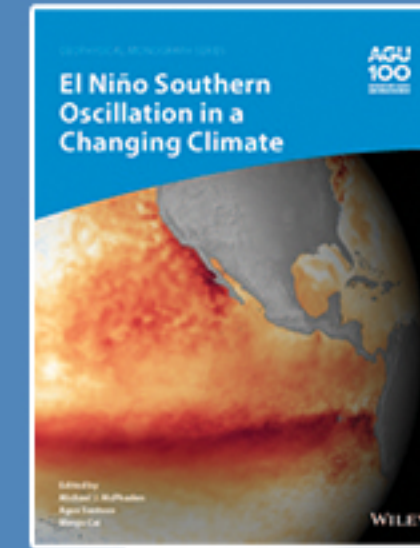
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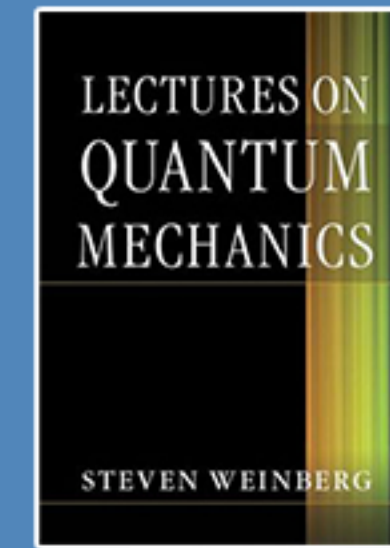
2020
Clinical Imaging Physics
Current and Emerging Practice
editors: Ehsan Samei, Douglas E. Pfeiffer
Written by luminaries in the field, this textbook belongs to a fast-advancing field that is becoming central to contemporary clinical medicine. A first of its kind textbook with special sections on new and emerging applications, technologies and practices.



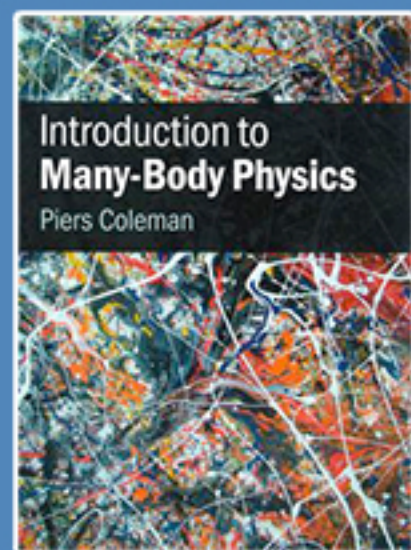
2020
Clouds and Climate
Climate Science's Greatest Challenge
editors: A. Pier Siebesma, Sandrine Bony, Christian Jakob, Bjorn Stevens
Cloud research has never been so exciting. It is a topic with many new opportunities. A comprehensive overview of research on clouds and their role in our climate, covering theoretical, observational, and modelling perspectives.



2020
El Niño Southern Oscillation and Climate Change
editors: Michael J. McPhaden, Agus Santoso, Wenju Cai
Here you will find the latest theories, models, observations, and also the challenges of forecasting El Niño Southern oscillation (ENSO) as the climate continues to change.



2012
Lectures on Quantum Mechanics
Steven Weinberg
Nobel Laureate Steven Weinberg combines his exceptional physical insight with his gift for clear exposition to provide a concise introduction to modern quantum mechanics. Ideally suited for a one-year graduate course, this textbook is also a useful reference for researchers.



2015
Introduction to Many-Body Physics
Piers Coleman
A graduate-level introduction to many-body physics in condensed matter, this textbook explains the tools and concepts needed for a research-level understanding of the correlated behavior of quantum fluids.



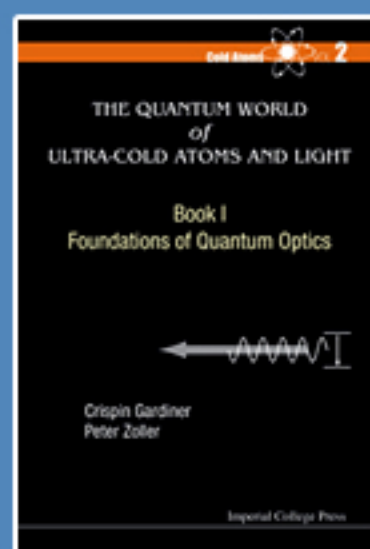
2020
Some Aspects of the Theory of Dynamical Systems I
A Tribute To Jean-Cristophe Yoccoz
editors: Sylvain Crovisier, Raphaël Krikorian, Carlos Matheus, Samuel Senti
A two volume tribute celebrating the memory of Jean-Christophe Yoccoz. It presents research articles on various aspects of the theory of dynamical systems and related topics.



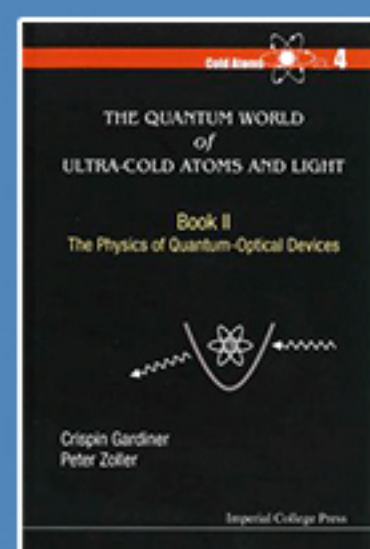
2020
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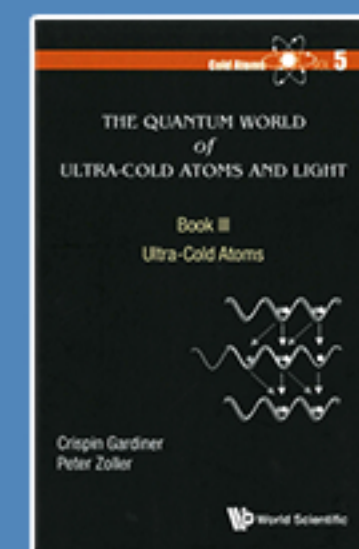
2020
Volcanotectonics
Understanding the Structure, Deformation and Dynamics of Volcanoes
Agust Gudmundsson
Precious resource for students, researchers and practitioners seeking an understanding of the processes that give rise to volcanic deformation, earthquakes, and eruptions. Includes many examples and exercises.



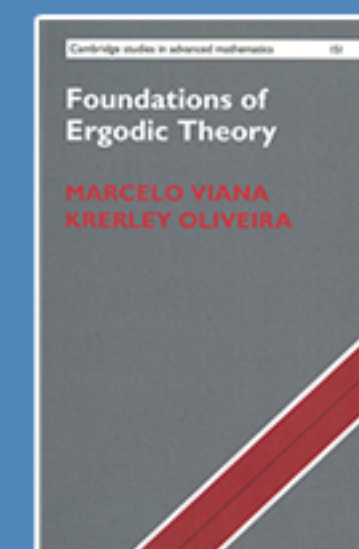
2014
The Quantum World of Ultra-Cold Atoms and Light
Book I, Foundations of Quantum Optics
Crispin Gardiner & Peter Zoller
An introductory text on the theoretical techniques of quantum optics, with elements of what one needs to teach, learn, and "think" about quantum optics, with particular emphasis on the classical and quantum stochastic methods.



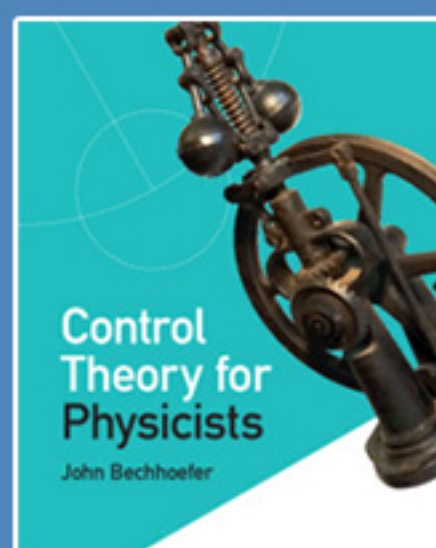
2015
The Quantum World of Ultra-Cold Atoms and Light
Book II, The Physics of Quantum-Optical Devices
Crispin Gardiner & Peter Zoller
Enriched with techniques necessary for understanding of quantum optical devices, gives special attention to those used in quantum information processing and quantum simulation.



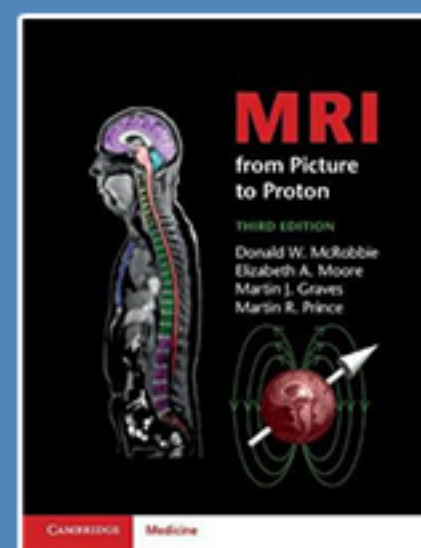
2017
The Quantum World of Ultra-Cold Atoms and Light
Book III, Ultra-Cold Atoms
Crispin Gardiner & Peter Zoller
Get acquainted with the latest advances in the theoretical treatment of ultra-cold Bosons and Fermions and their interactions with electromagnetic fields.



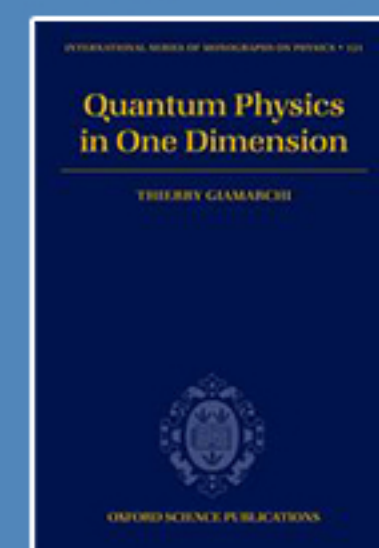
2016
Foundations of Ergodic Theory
Marcelo Viana & Kjerfve Oliveira
Rich with examples and applications, this textbook provides a coherent introduction to ergodic theory. Its fluent exposition will help you to grasp quickly the most important ideas of the theory.



2020
Control Theory for Physicists
John Bechhoefer
For students of physics interested in control theory, this classroom-tested, comprehensive approach to the topic with online solutions and further materials delivers both fundamental principles and current developments.



2017
MRI from Picture to Proton 3rd edition
Donald W. McRobbie, Elizabeth A. Moore, Martin J. Graves, Martin R. Prince
This textbook has achieved its reputation for practical clarity. MR is introduced as a tool, with coverage starting from the images, equipment and scanning protocols and traced back towards the underlying physics theory.



2004
Quantum Physics in One Dimension
Thierry Giamarchi
Recent progress in nanotechnology and material research has made one-dimensional systems a crucial part of today's physics. After an introduction to the basic concepts of correlated systems, the book gives a step-by-step description of the techniques needed to treat one-dimension systems, and discusses the resulting physics.



2008
Cosmic Anger
Abdus Salam - The First Muslim Nobel Scientist
Gordon Fraser
A biography of Professor Abdus Salam, the founding father of our Centre, ICTP and the first Muslim to win a Nobel Prize for Science (Physics 1979) who played a memorable role in the global development of science and technology.